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Contract NAS 2-7698

MONTHLY PROGRESS REPORT NO. 31

December 1975

Fault Tectonics and Earthquake Hazards in the Peninsular Ranges,  
Southern California, EREP Investigation 463

NASA-Lyndon B. Johnson Space Center  
Technical Support Procurement Branch  
Houston, Texas 77058

Attention: Mrs. Ruth Elder, Mail Stop BB631 (B9)

Dear Mrs. Elder:

California Earth Science Corporation (CalESCO) is pleased to submit its 31st  
Monthly Progress Report on the application of Skylab imagery to analysis of  
fault tectonics and earthquake hazards in the Peninsular Ranges, Southern  
California, under NASA Contract No. NAS 2-7698.

#### Summary Outlook

All of the proposed research has been accomplished and the final report is  
in preparation. The details of the makeup of the final report are described  
in our letter to the technical monitor dated October 15, 1975.

#### Significant Progress

1. Part IV of the final report "Faults on Skylab imagery of the Salton Trough  
area, southern California" was completed and an advance copy was sent to  
the technical monitor on December 17, 1975.
2. Work was continued on reports describing our analysis of S192 images and  
the enhancement characteristics of pseudocolor transformations, and on  
modifications to the draft final report on the Peninsular Ranges and the  
Garlock fault suggested by the Technical Officer. These reports are  
essentially complete except for preparation of illustrations and final  
editing.

#### Expected Accomplishments, Current Month

Work will continue on the final report described above.

(E76-10103) FAULT TECTONICS AND EARTHQUAKE  
HAZARDS IN THE PENINSULAR RANGES, SOUTHERN  
CALIFORNIA Monthly Progress Report, Dec.  
1975 (California Earth Science Corp., Santa  
Monica.) 2 p HC \$3.50  
CSCI 08E G3/43  
N76-16526  
Unclas  
00103

January 26, 1976

Travel Summary and Plans

No travel is planned during January.

Very truly yours,

CALIFORNIA EARTH SCIENCE CORP.

*Donald L. Laman for*

Paul M. Merifield  
Principal Investigator

cc: NASA Scientific and Technical  
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